This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- **►**BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

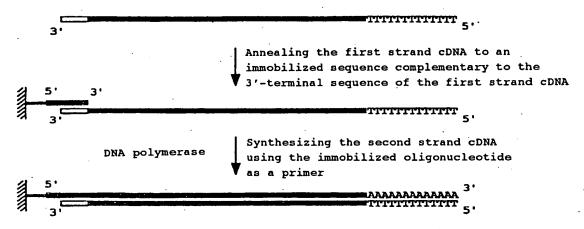
As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

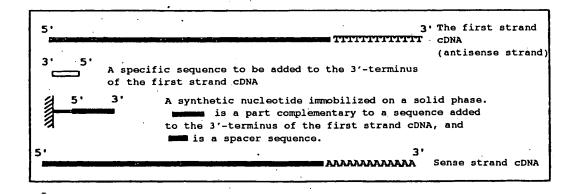
Inventor(s): Toshio Ota et al. DOCKET NO.: 084335-0183

1/9

Figure 1

The first strand cDNA to which a specific sequence is added at the 3'-terminus

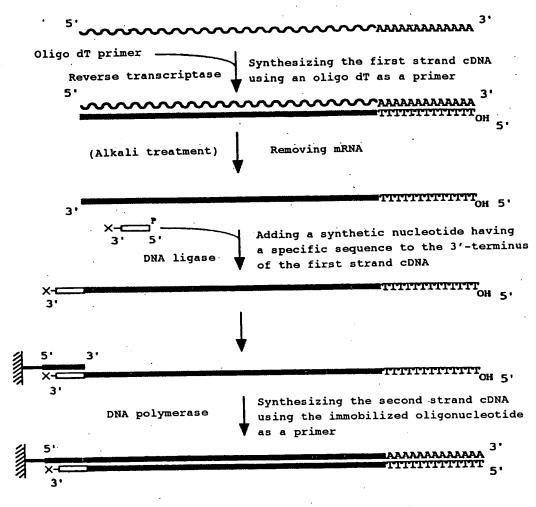


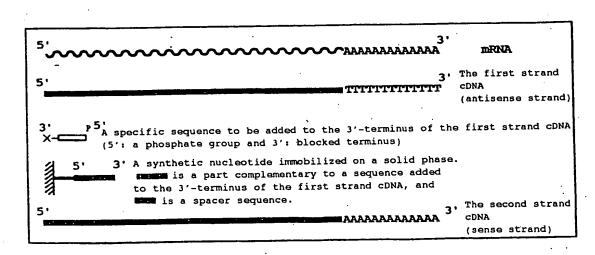


Title: IMMOBILIZED cDNA LIBRARIES Inventor(s): Toshio Ota et al.

DOCKET NO.: 084335-0183

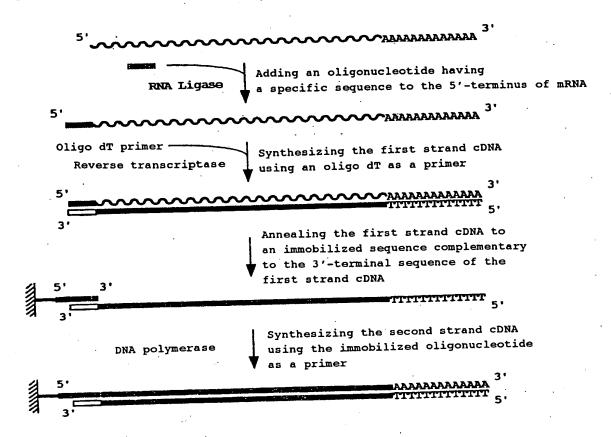
2/9

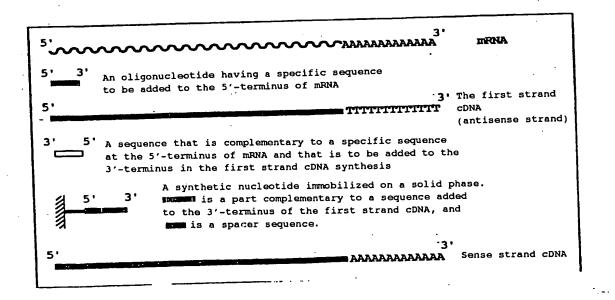




Inventor(s): Toshio Ota et al. DOCKET NO.: 084335-0183

3/9



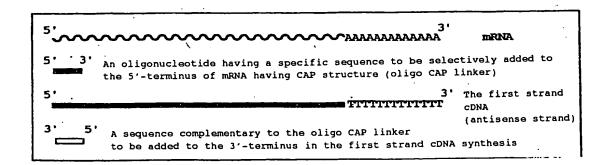


Inventor(s): Toshio Ota et al. DOCKET NO.: 084335-0183

4/9

Figure 4

5' CAP ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	AAAAAAAAAAA	3,
5· P.~~~~	AAAAAAAAAAA	3'
5. 80~~	AAAAAAAAAAAA	3.
Bacterial alkaline phosphatase	Removing a phosphate group at the 5'-terminus of incomplete	m.RN
5' CAP		3'
5, 80	AAAAAAAAAAAA\	3'
5· B0~	AAAAAAAAAAAA	3'
Tobacco acid pyrophosphatase	Converting the 5'-terminus having CAP structure to a phosphate gro	
5' P.	AAAAAAAAAAA	3'
5' BO	<i>AAAAAAAAA</i>	3'
5· B 0 ~	AAAAAAAAAAA	з.
5' BO 3' RNA Ligase	Adding an oligonuclectide having specific sequence specifically to 5'-terminus of mRNA derived from	o th
5' BO	ARARARARARA	3'
5' BO	AAAAAAAAAAAA	3.
5. 80~	AAAAAAAAAA	3,
Oligo dT primer Reverse transcriptase	Synthesizing the first strand cD using a oligo dT as a primer	NA
5'80	*	3,
3'	TTTTTTTTTT	5'
(Alkali treatment)	Removing mRNA	•
3'		5'
Capturing on a	solid phase and	

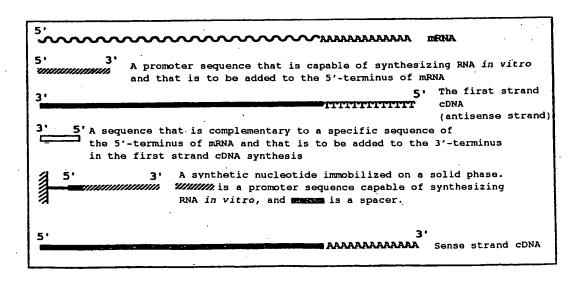


synthesizing the second strand cDNA

Inventor(s): Toshio Ota et al. DOCKET NO.: 084335-0183

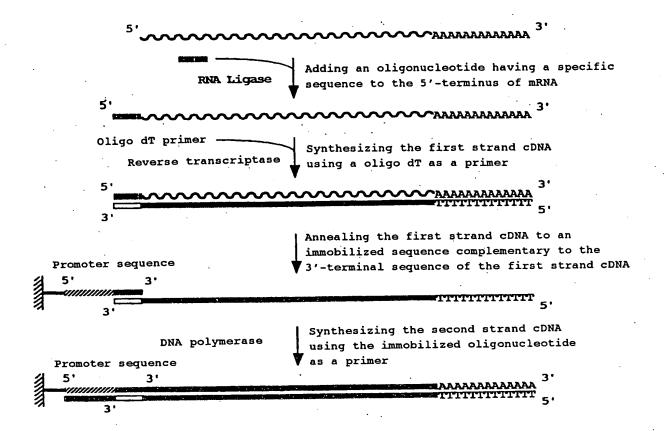
5/9

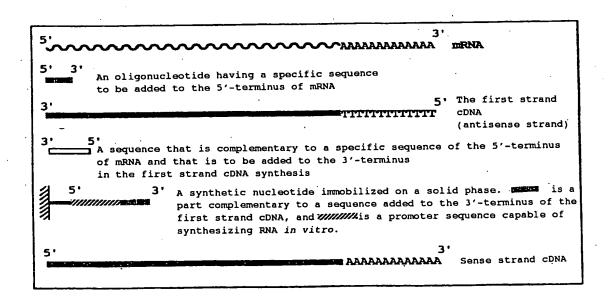
	5'~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
5'	Promoter sequence Promoter sequence	Adding an oligonucleotide having a sequence containing a promoter sequence capable of synthesizing RNA in vitro to the 5'-terminus of mRNA 3'
	Oligo dT primer Reverse transcriptase Promoter sequence	Synthesizing the first strand cDNA using an oligo dT as a primer AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
3' Proj	moter sequence	Annealing the first strand cDNA to an immobilized sequence complementary to the 3'-terminal sequence of the first strand cDNA
	DNA polymerase	Synthesizing the second strand cDNA using the immobilized oligonucleotide as a primer
5.	Promoter sequence	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



Inventor(s): Toshio Ota et al. DOCKET NO.: 084335-0183

6/9

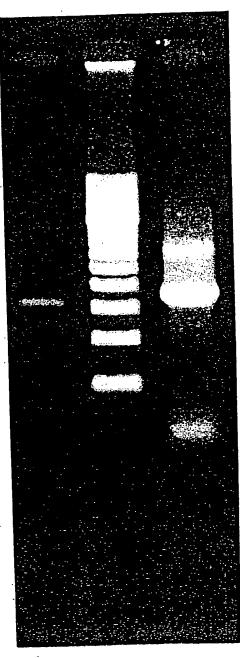




Title: IMMOBILIZED cDNA LIBRARIES Inventor(s): Toshio Ota et al. DOCKET NO.: 084335-0183

Figure 7

1



 \leftarrow Full-length EFl α gene (1.7 kb)

Inventor(s): Toshio Ota et al. DOCKET NO.: 084335-0183

8/9

Figure 8



EF1 α 3' amplified fragment (750 bp)

Title: IMMOBILIZED cDNA LIBRARIES
Inventor(s): Toshio Ota et al.
DOCKET NO.: 084335-0183

